

LACH DIAMANT[®]

dreboform[®]

High Precision PCD Step Drills and Profile Cutting Tools

Your Way to High Performance

**Pioneer
in
Diamond
Tooling**



dreboform[®] - Custom-made PCD Tooling
Diamond Experience since 1922

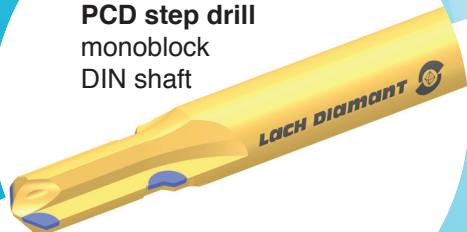
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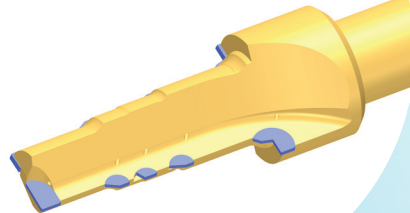
Your Way to High Performance

Design Examples

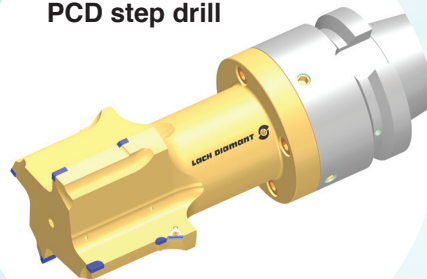
Classic
PCD step drill
monoblock
DIN shaft



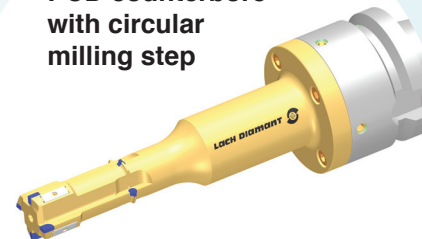
Multi-stage
PCD step drill
monoblock
DIN shaft



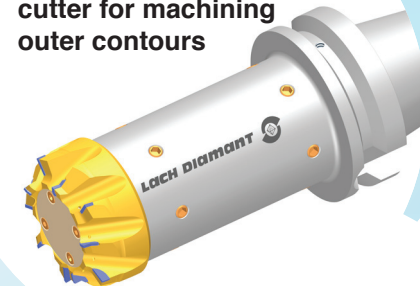
Modular
PCD step drill



PCD counterbore
with circular
milling step



PCD profile milling
cutter for machining
outer contours



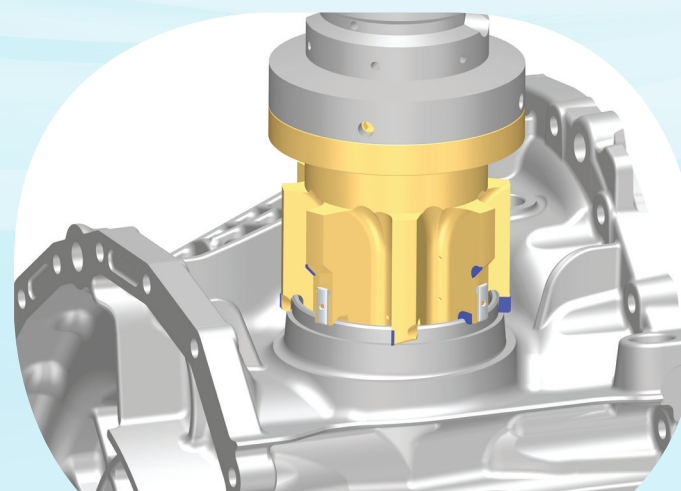
PCD forming drill



**PCD step drills and profile cutting tools
dreboform[®] set new standards for
high performance cutting of non-ferrous metals**

LACH dreboform[®] PCD step drills and
profile tools reduce costs **up to 70%**.

- ♦ from pre-drilling to fine boring/reaming
- ♦ from monoblock to modular solutions –
with DIN compatible cylinder shaft or HSK/SK adapter
- ♦ μ m-precise 2D adjustment options for highest axial
and radial run-out quality
- ♦ machining of cast and forged aluminium components
- gear and compressor boxes, other structural components



Simultaneous machining of fitting hole
and pin contouring on gearbox housing

- ♦ reduction of cycle times through use of combination tools
- ♦ highest process stability – even for long-chipping materials
– through newly developed chip shape geometries
- ♦ conventional cooling via base body or optionally via
»Cool Injection« - cooling lubricant supply directly
through PCD cutting edge

LACH DIAMANT

Your Innovative Partner

Reliable, customer-oriented and ready to provide customized solutions



Head Office and Plant in Hanau near Frankfurt/Germany



Plant in Lichtenau near Chemnitz, Germany

Built in 1997 – expanded in 2007 and 2012 – Manufacturing Plant for polycrystalline diamond and CBN cutting tools (PCD and PCBN)

In 1978, **LACH DIAMANT** was worldwide the first manufacturer to utilize spark erosion in the production of rotating PCD tools and for forming and profiling PCD cutting edges.

Our customers today benefit from 43 years of expertise in developing, manufacturing and use of polycrystalline diamond and CBN cutting tools.

LACH DIAMANT is known worldwide as a pioneer for performance enhancing and cost cutting tooling when processing aluminium and non-ferrous metals, composite materials, machining of carbide and ceramic green bodies, electro-graphite and other materials.

Our engineers are looking forward to working with you.

Send us your component drawing.

We will create an optimized tooling solution for you.

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